

Journal of Clinical Microbiology, May 1994, 1346-1348, Vol 32, No. 5  
Copyright © 1994 by the American Society for Microbiology. All rights reserved.

## Use of PCR with feces for detection of *Helicobacter pylori* infections in patients

AA van Zwet, JC Thijs, AM Kooistra-Smid, J Schirm and JA Snijder

Regional Public Health Laboratory, Groningen, The Netherlands.

PCR was performed for the detection of *Helicobacter pylori* in feces from 24 patients with proven infections. Several precautions were taken to overcome possible inhibition of PCR with feces. In the first 12 patients, feces were examined shortly after endoscopy. In another group of 12 patients, who were treated during 2 weeks with omeprazole (40 mg each day) to increase gastric pH, feces were examined as well. *H. pylori* target DNA could not be detected in the stools of any of the 24 infected patients. It was concluded that there was no substantial shedding of *H. pylori* in feces from either group of patients.

- ▶ Similar articles found in:  
[JCM Online](#)  
[PubMed](#)
  - ▶ [PubMed Citation](#)
  - ▶ This Article has been cited by:  
[other online articles](#)
  - ▶ Search Medline for articles by:  
[van Zwet, A. A.](#) || [Snijder, J. A.](#)
  - ▶ Alert me when:  
[new articles cite this article](#)
  - ▶ [Download to Citation Manager](#)
- 
- ▶ [Books from ASM Press](#)

## This article has been cited by other articles:

- KABIR, S. (2001). Detection of *Helicobacter pylori* in faeces by culture, PCR and enzyme immunoassay. *J Med Microbiol* 50: 1021-1029 [[Abstract](#)] [[Full Text](#)]
- Monteiro, L., Gras, N., Megraud, F. (2001). Magnetic Immuno-PCR Assay with Inhibitor Removal for Direct Detection of *Helicobacter pylori* in Human Feces. *J. Clin. Microbiol.* 39: 3778-3780 [[Abstract](#)] [[Full Text](#)]
- Argyros, F. C., Ghosh, M., Huang, L., Masubuchi, N., Cave, D. R., Grübel, P. (2000). Evaluation of a PCR Primer Based on the Isocitrate Dehydrogenase Gene for Detection of *Helicobacter pylori* in Feces. *J. Clin. Microbiol.* 38: 3755-3758 [[Abstract](#)] [[Full Text](#)]
- Weaver, L.T., Shepherd, A.J., Doherty, C.P., McColl, K.E.L., Williams, C.L. (1999). *Helicobacter pylori* in the faeces?. *QJ Med* 92: 361-364 [[Full Text](#)]
- Dowsett, S. A., Archila, L., Segreto, V. A., Gonzalez, C. R., Silva, A., Vastola, K. A., Bartizek, R. D., Kowolik, M. J. (1999). *Helicobacter pylori* Infection in Indigenous Families of Central America: Serostatus and Oral and Fingernail Carriage. *J. Clin. Microbiol.* 37: 2456-2460 [[Abstract](#)] [[Full Text](#)]
- Gramley, W. A., Asghar, A., Frierson, H. F. Jr., Powell, S. M. (1999). Detection of *Helicobacter pylori* DNA in Fecal Samples from Infected Individuals. *J. Clin. Microbiol.* 37: 2236-2240 [[Abstract](#)] [[Full Text](#)]
- Lu, J.-J., Perng, C.-L., Shyu, R.-Y., Chen, C.-H., Lou, Q., Chong, S. K. F., Lee, C.-H. (1999). Comparison of Five PCR Methods for Detection of *Helicobacter pylori* DNA in Gastric Tissues. *J. Clin. Microbiol.* 37: 772-774 [[Abstract](#)] [[Full Text](#)]
- Osato, M. S., Ayub, K., Le, H.-H., Reddy, R., Graham, D. Y. (1998). Houseflies Are an Unlikely Reservoir or Vector for *Helicobacter pylori*. *J. Clin. Microbiol.* 36: 2786-2788